

MED 2004 - Gastrointestinal System and Metabolism Disorders

Course Name	Code	Semester	Type of course	Theory (hours)	Group work (hours)	ECTS
Gastrointestinal System and Metabolism Disorders	MED 2004	IV	Mandatory	25	46	5
Faculty, the educational program and education level	Faculty of Medicine , one-cycle Educational Program “Medicine”					
Author (s)	<p>Filiz Fusun Bolukbas – invited teacher Mob.tel.: e-mail: fusunbolukbas@yahoo.com</p> <p>Dimitri Kordzaia- invited teacher Mob.tel.: 599 43 33 45; e-mail: dimitri.kordzaia@tsu.ge</p> Consultation day and time – individually, according with the agreement					
Educational course format	Lecture Work in Group					
Educational course Loading	<p>Total: 150 hours Contact hours: 75 h, among them</p> <ol style="list-style-type: none"> Lecture – 25h Team work – 46 h Midterms – 2 h Final exam -2 h <p>Independent work – 75 h</p>					
Prerequisites	MED 1002					
The purpose (s) of tutorial course/modules	The aim of the course is to study digestive systems diseases development mechanism, diseases diagnosis and treatment methods; to develop the necessary skills in the field of gastroenterology.					
Teaching and learning methods	<p>Lecture - Face-to-Face - Lecture notes and readings (use Power Point slides)</p> <p>Demonstration - illustrations, slides and other visual aids;</p> <p>Discussion – questions and answers, answers analysis supported with visual aids;</p> <p>Work in group on the clinic base :</p> <p>Gastrointestinal disorders clinical pictures, diagnosing and treatment methods;</p> <p>Brief-inquire -in order to confirm the studied material after completion of each theoretical stage use short questions and answers.</p>					

Assessment criteria	<p>Maximum score- 100:</p> <p>Midterm assessment -60</p> <p style="padding-left: 40px;">Attendance -10 scores (0.4X25=10 scores);</p> <p style="padding-left: 40px;">Activity in group – 10 scores</p> <p style="padding-left: 40px;">Discussions – 10 scores</p> <p style="padding-left: 40px;">Brief-inquire (10 X 1 =10 scores);</p> <p>Midterm Exam – 20 scores</p> <p>Group Work are Assessment Based on the Following Criteria (maximum 10 point)</p> <p>10 scores - Student has been able to present complete and thorough knowledge of the subject, a substantial amount of detailed and relevant information. Demonstrate considerable depth of understanding of the studied main and additional literature. Bring forward a balanced view of the main arguments on the issues.</p> <p>9 scores - Student has been able to bring forward a consistent number of deductions on most of the topics tackled. make very good comments on the different perspectives on most of the issues. Demonstrates knowledge of the main readers.</p> <p>8 scores- Student has been able to bring forward a consistent knowledge, Has properly developed terminology. Demonstrates knowledge of the main readers.</p> <p>7 scores - Student has been able to present some factual information sufficiently linked with the topic. demonstrate a good understanding of the topics selected. make a good attempt to bring forward a balanced view of some arguments on the issues. Terminology is partially developed.</p> <p>6 scores- Student has been able to make some good comments on the different perspectives on some of the issues. Make poor deductions on most of the topics tackled. analyse some causes and results of human interactivity related to the issues.</p> <p>5 scores - Student has been able to demonstrate inconsistent comments on the different perspectives on some of the issues. Terminology is partially developed. Present mediocre level of knowledge. Make poor deductions.</p> <p>4 scores - Student demonstrates general overview of the topics. Terminology is not developed. Information sufficiently linked with the topic. Demonstrate irrelevant understanding of the literature.</p> <p>3 scores – Student demonstrates general/superficial and inconsistent knowledge of the subject. No sufficient knowledge of the literature.</p> <p>2 scores - Student demonstrates general comments, no knowledge of the terminology, no consistency.</p> <p>1 score – Student demonstrates insufficient answer, not terminology awareness, chronologic manner of the answer, mostly wrong, no knowledge of literature.</p> <p>0 score: Student demonstrates not even elementary knowledge of the topics.</p> <p>Discussion – grading criteria (maximum 10 scores)</p> <ul style="list-style-type: none"> • Critical thinking- 2 sc; • Culture of debates - 2 sc; • Argumentativeness - 2 sc; • Time management - 2 sc; • Academic and visual side of the presented material - 2 sc.
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	<p>Brief –inquire – grading criteria (maximum 1 score)</p> <ul style="list-style-type: none"> -1 sc – gives full and argumetive answers; -0,5 sc – gives incomplete answers; -0 sc – gives no answers. <p>Midterm Exam is held in combined form: the written test – 15 questions, each question is rated as 1 score – max. 15 scores; verbal – 5 questions, each question is rated as 1 score. Minimal score of midterm assessment (for final exam) – is 11; to take in account that student will receive the maximum score at the final exam.</p> <p style="text-align: center;">Final Exam -40</p> <p>Is held in the written test form (test consists of 80 questions, each question is rated as 0.5 scores). Students have to score equal or more than 70% from final exam maximum score (40X70/100=28 maximum 28 scores from the overall 40) to pass the final examination. Credit will be given to the student if he has collected at minimum 51 scores out of 100. The students' assessment has to be done in the following way:</p> <p>Positive rate:</p> <ul style="list-style-type: none"> • (A) Excellent- 91 or more scores; • (B) Very Good- 81-90 scores; • (C) Good- 71-80 scores; • (D) Satisfactory- 61-70 scores; • (E) Enough- 51-60 scores; <p>Negative rate:</p> <ul style="list-style-type: none"> • (FX) Failure - 41-50 scores, which means that a student needs to work more and an independent and considerable further work is required to pass the exam once again to be re-awarded; • (F) Fail - 40 scores or less, which means that the student's diligence is not sufficient and student has to learn the subject all over again. <p>The student can pass the additional exam during the same semester. The time interval between the final and the additional exams should be not less than 10 days.</p>
<p>The basic literature</p>	<ul style="list-style-type: none"> • Edited by: Tadataka Yamada Gastroentrolgy Volume I, II, Willey-Blackwell, V, 2009; • Theodore M.Bayless, Ann Mae Diehl Advendced Therapy in Gastroenterology and Liver Disease, B.C.Decker Inc Hamilton.London, V, 2005; • E.Kuntz, H.D.Kunts Hepatology Principles and Practice, Springer,II, 2010; • Norman Giltin, Robert M.Strauss Atlas of Clinical Hepatology, W.B.Sunders Company, 1995; • KV Krishna Das Textbook of Medicine (Volume I,II), Jaypee, 2004
<p>The auxiliary literature</p>	<ul style="list-style-type: none"> • Kim E.Barret, Susan M.Barman Scott Boitano, Heddwen L.Brooks Ganong's Review of Medical Physiology, McGrawHill Lange, XXIV, 2012; • Keith L.Moore, Arthur F.Dalley. Anne M.R.Agur –Clinically Oriented Anatomy, Wolters Cluwer Health Lippincott Williams&Wilkins, 2008; • Michail Schuenke, Erik Schulte, Udo Schumacher -Atlas of Anatomy (Neck and Internal Organs), Thieme, 2006; Richard S. Snell - Clinical Anatomy (An Illustrated review with Questions and explanations, Lippincott Williams&Wilkins, 2003;

- Kim E.Barret, Susan M.Barman Scott Boitano, Heddwen L.Brooks - Ganong's Review of Medical Physiology, McGrawHill Lange, 2012;

The tutorial/learning course content

Nº	Subjects	Lecture (hour)	Work in group (hour)
1	Introduction to molecular and genetic mechanisms, symptoms and signs and symptoms of the gastrointestinal system disorders, pathological and radiological diagnosis.	5	8
2	Molecular and genetic mechanisms of diseases arise from defects in metabolic pathways, their pathogenesis, pathogenesis of diabetes and dyslipidemia.	5	10
3	Esophagus, stomach, colon and small intestine disorders, clinical and radiological features, approaches to treatment , signs and symptoms and pharmacology of drugs used in these disorders.	5	8
	Midterm Exam		2
4	Liver, pancreas and bile system disorders : clinical and radiological features, signs and symptoms, approaches to treatment and pharmacology of drugs used in these disorders.	5	10
5	Clinical basis of infectious organisms affecting gastrointestinal system disorders, their pathogenesis in infectious process , approaches to treatment and the pharmacotherapy of these disorders.	5	10
	Final Exam		2

Learning Outcomes

Criteria	Competences
Knowledge and Understanding	After the completion of the learning course the students will have a deep and systematic knowledge about gastrointestinal system and micro- and macro- characteristics of liver. Student will know the methods of disorders investigations. They will also gain knowledge about gastrointestinal system disorders and their influence on organ and systems.
Applying knowledge	At the end of this learning course, students will be able to: <ul style="list-style-type: none"> • Define gastrointestinal system disorders diagnosis characteristics by means of microscope • Define gastrointestinal system disorders characteristics and symptomatic • Conduct the appropriate diagnostic investigation – medical examination
Making Judgments	Student will be able to: <ul style="list-style-type: none"> • determine the most common diseases of GI organs (liver, pancreas and biliary system), can provide the pathological and radiological examinations, medical treatment and surgical aspects, can analyse data review and provide assessment and make conclusion;

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| | <ul style="list-style-type: none">• On the base of clinical and diagnostic data to set the initial and final diagnosis, estimate status of the diseases and chose the proper treatment course. |
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